

### SCHEME

**Plymouth Estuary Clean-up Scheme**

### CLIENT

**South West Water, 'Clean Sweep' partnership  
South West Water in strategic partnership  
with Alfred McAlpine Civil Engineering,  
Hyder Consulting, Pell Frischmann and  
Biwater Treatment Ltd**



### PIPE APPLICATION

**500m of 3000mm and 2600mm diameter  
WEHOLITE HDPE class 2kN/m<sup>2</sup> pipe installed as 2850m<sup>3</sup>  
attenuation tank**

**Cost savings greater than 15% expected over traditional alternatives**



South West Water has invested over £1bn in the largest coastal clean up programme of its kind in Europe - 'Clean Sweep'. The current scheme in Plymouth requires a 2850m<sup>3</sup> (approx. 630, 000 gallons) capacity tank to provide storage during periods of high rainfall, when wastewater will be held back to prevent the overflow of untreated sewage into the Tamar estuary. Once installed, the area over the tank will be reinstated as football pitches.

The relative light weight of the WEHOLITE plastic pipes was one of the deciding factors in their selection for this project, along with the speed of which they can be installed on site.

Other alternatives, such as precast concrete pipes, were rejected by the contractor as they would have taken longer to install and required heavier equipment to handle them with more lorry movements for delivery to site.

Manifold fabrication was carried out prior to delivery with tanks being easily joined once craned into position on site. Another advantage is that WEHOLITE pipes are flexible, so they don't crack with ground movement, yet they are durable and abrasion resistant. ASSET believes cost savings of greater than 15% can be achieved over traditional alternatives by the time WEHOLITE pipe has been installed.

## THE ESSENTIAL SOLUTION FOR PIPE USERS NATIONWIDE

### CONTACT ASSET International Ltd:

Head office: Stephenson Street, Newport, South Wales, NP19 4XH  
Tel: 01633 271906 - Fax: 01633 290519 - E-mail: sales@assetint.co.uk - Web site: www.weholite.com

Scottish office: 1 McMillan Road, Netherton Industrial Estate, Wishaw, Lanarkshire, ML2 0LA  
Tel: 01698 355838 - Fax: 01698 356184